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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-16-51** **Date: 18/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-07-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	18/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	149.61 X 151.28 X 151.76	22632	8.120	574.5	25.4	25.4
2	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	149.93 X 150.35 X 151.68	22541	8.223	595.7	26.4	
3	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	150.30 X 150.47 X 150.89	22615	8.536	549.0	24.3	

Note:
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO Sig. Date BANGALORE

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 08/08/2019

Lab ID	:	CP-2019-08-16-51
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-07-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	08/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	11/07/2019	08/08/2019	151.47 X 149.82 X 150.00	22693	8.984	766.2	33.8	33.2
2	Cement Concrete Pavement	M30	11/07/2019	08/08/2019	151.16 X 149.64 X 151.09	22620	8.298	734.9	32.5	
3	Cement Concrete Pavement	M30	11/07/2019	08/08/2019	149.19 X 150.54 X 150.70	22459	8.965	752.1	33.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 18/07/2019

Lab ID	:	CP-2019-08-16-51
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-07-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	18/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	151.31 X 151.74 X 151.53	22960	8.120	581.6	25.3	25.3
2	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	150.02 X 151.59 X 150.47	22742	8.223	592.2	26.0	
3	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	151.53 X 149.35 X 150.93	22630	8.536	554.4	24.5	

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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Date: 05-07-19

Lab ID	:	CP-2019-08-16-51
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-07-19
Sample Type /Size	:	Precast Cover Slab(100 mm)
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	01/07/2019

SL No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.49	1.116	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.52	1.122	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.51	1.118	4476	81.5	18.2	16.9	21.2

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 18/07/2019

Lab ID	:	CP-2019-08-16-51
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-07-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete C1.5
Date of test	:	18/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	149.11 X 151.64 X 149.67	22612	8.120	571.9	25.3	25.5
2	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	150.17 X 150.93 X 149.29	22665	8.223	610.1	26.9	
3	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	149.34 X 149.01 X 150.85	22254	8.536	541.5	24.3	

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Date: 18/07/2019

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Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-07-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	150.89 X 150.09 X 151.70	22646	8.120	586.3	25.9	25.6
2	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	149.04 X 149.36 X 149.07	22261	8.223	593.6	26.7	
3	Cement Concrete Pavement	M30	11/07/2019	18/07/2019	150.86 X 151.76 X 150.42	22895	8.536	558.3	24.4	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 08/08/2019

Lab ID	:	CP-2019-08-16-51
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-07-19
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	08/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	11/07/2019	08/08/2019	150.86 X 151.80 X 151.87	22901	8.984	764.2	33.4	33.0
2	Cement Concrete Pavement	M30	11/07/2019	08/08/2019	150.13 X 149.88 X 149.06	22502	8.298	734.7	32.6	
3	Cement Concrete Pavement	M30	11/07/2019	08/08/2019	149.36 X 151.00 X 150.51	22554	8.965	745.7	33.1	

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-08-16-51** **Date: 27-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP,
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-06-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	25-06-19
Environmental Conditions during test	:	Temperature: 26°C Humidity 72%

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.1	–
2	Finess by Air permeablity method (m^2/kg,Min)	248.5	225m^2/kg, Min
3	Density (gm/cc)	3.11	–
4	Standard Consistency (%)	27.0%	Not specified
5	Initial Setting time	175 minutes	Not less than 30 minutes
6	Final Setting time	265 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1mm	Not more than 10 mm

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Date: 23-07-19

Lab ID	:	CP-2019-08-16-51
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-06-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	25-06-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	38.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	59.5N/mm^2	Not less than 53 N/mm^2

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-08-16-51** **Date: 27-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	24-06-19
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	24-06-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	424	424	2.8	97.2	90-100
3	20 mm	5857	6281	41.9	58.1	30-70
4	10 mm	4228	10509	70.1	29.9	10-35
5	4.75 mm	4226	14735	98.2	1.8	0-5
6	Pan	265	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-08-16-51** **Date: 26-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-06-19
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	24-06-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	275	275	5.5	94.5	90-100
3	10 mm	2751	3026	60.5	39.5	25-55
4	4.75 mm	1750	4776	95.5	4.5	0-10
5	Pan	224	5000	100	0	_

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TEST REPORT OF FINE AGGREGATE

Date: 26-06-19

Lab ID	:	CP-2019-08-16-51
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-06-19
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	24-06-19
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	26	26	2.6	97.4	90-100	90-100	90-100	95-100
3	2.36 mm	54	80	8.0	92.0	60-95	75-100	85-100	95-100
4	1.18 mm	240	320	32.0	68.0	30-70	55-90	75-100	90-100
5	600 micron	200	520	52.0	48.0	15-34	35-59	60-79	80-100
6	300 micron	201	721	72.1	27.9	5-20	8-30	12-40	15-50
7	150 micron	191	912	91.2	8.8	0-10	0-10	0-10	0-15
8	Pan	88	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 13/07/2019

Lab ID	:	CP-2019-08-16-51
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-07-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	13/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	06/07/2019	13/07/2019	151.68 X 150.78 X 151.15	22869	8.585	412.3	18.0	18.4
2	Drain Bottom Slab Concrete	M20	06/07/2019	13/07/2019	150.21 X 149.11 X 149.78	22399	8.483	411.0	18.3	
3	Drain Bottom Slab Concrete	M20	06/07/2019	13/07/2019	151.24 X 151.23 X 149.07	22873	8.551	433.9	19.0	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Samples will be disposed after 90 days from the date of issue of test certificate

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TE-02

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-16-51** **Date: 13/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-07-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	13/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	06/07/2019	13/07/2019	150.70 X 151.19 X 150.13	22784	8.585	429.4	18.8	18.6
2	Drain Bottom Slab Concrete	M20	06/07/2019	13/07/2019	149.33 X 149.58 X 149.99	22337	8.483	403.2	18.0	
3	Drain Bottom Slab Concrete	M20	06/07/2019	13/07/2019	151.54 X 150.83 X 149.27	22857	8.551	431.4	18.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-08-16-51 **Date: 17/07/2019**

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.

Agency : Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.

Customer's Reference : EE(YNK D)E-PMT-09/W.O/20/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-07-19

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/07/2019	17/07/2019	150.34 X 151.16 X 151.35	22726	8.585	426.0	18.7	18.5
2	Drain Side Wall Concrete	M20	10/07/2019	17/07/2019	150.52 X 149.81 X 151.59	22549	8.483	409.3	18.2	
3	Drain Side Wall Concrete	M20	10/07/2019	17/07/2019	149.56 X 150.41 X 151.33	22497	8.551	415.6	18.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/07/2019

Lab ID	:	CP-2019-08-16-51
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/07/2019	17/07/2019	150.97 X 149.02 X 151.51	22498	8.585	418.2	18.6	18.6
2	Drain Side Wall Concrete	M20	10/07/2019	17/07/2019	151.47 X 149.20 X 150.05	22600	8.483	425.4	18.8	
3	Drain Side Wall Concrete	M20	10/07/2019	17/07/2019	150.90 X 150.07 X 150.07	22646	8.551	418.5	18.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-16-51** **Date: 07/08/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drain at Kondappa Layout 17th Cross and 20th Cross Road in Chowdeshwari Ward No-02.
Agency	:	Sri.N Lokanath Reddy, No.05, Kaveri Nagar, 7th Cross, Kavalu Byrasandra, R T Nagara(Post), Bangalore-32.
Customer's Reference	:	EE(YNK D)E-PMT-09/W.O/20/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 07/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/07/2019	07/08/2019	149.98 X 150.50 X 149.05	22571	8.364	525.7	23.3	23.0
2	Drain Side Wall Concrete	M20	10/07/2019	07/08/2019	149.92 X 150.74 X 151.75	22599	8.295	504.0	22.3	
3	Drain Side Wall Concrete	M20	10/07/2019	07/08/2019	150.59 X 149.15 X 150.47	22461	8.569	525.5	23.4	

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